

SUN COBALT RAQ™ 4 Server Appliance

SUPERB DEVELOPER TOOL SUPPORT FOR MORE HOSTED APPLICATIONS



THE SUN COBALT RAQ™ 4 SERVER APPLIANCE IS ADVANCING TECHNOLOGIES BY INTEGRATING THE MOST POWERFUL TOOLS AND APPLICATIONS INTO A RELIABLE, LOW-COST SOLUTION.

THE SUN COBALT RAQ™ SERVER APPLIANCE IS THE PRODUCT THAT RE-DEFINED WEB HOSTING for service providers by enabling the deployment of value-added hosting services at monthly price points low enough to create an explosion in customer adoption.

One of the most comprehensive offerings on the market, the Sun Cobalt RaQ 4 server appliance offers a full suite of Internet and application services that makes the deployment of applications and layered services over the Web quick, easy and profitable. New features in the server appliance include integrated support of standard development capabilities such as Active Server Page technology (ASP) and PHP technologies. With the inclusion of RAID 1* (disk mirroring) and InterBase 6 as standard features, the Sun Cobalt RaQ 4 server appliance becomes the ideal platform for deploying business-critical applications that have high requirements for reliability.

DEVELOPER BENEFITS:

Quick, Easy and Cost-effective Deployment of Applications

The server appliance comes pre-configured with support for the world's leading development environments, giving customers everything they need to develop and deploy their Web applications. Unlike other Web application servers that tightly link the development environment to the server, the Sun Cobalt RaQ 4 server appliance lets you choose from a wide variety of development tools such as Microsoft FrontPage 2000 and Visual InterDev, Macromedia Drumbeat or NetObjects Fusion.

It all starts with the integration of Sun Chili!Soft ASP technology and continues with additional support for PHP, Perl scripting language, CGI support and Frontpage 2000 extensions. Standard development tools include compilers, editors, debuggers, header files and libraries. This means you can take advantage of the following:

- Maximizing scarce developer resources.
- Improving time to market of applications.
- Protecting existing investment in cross-platform environment.
- Easily migrating your existing applications to the Sun Cobalt™ platform.
- Working with a wide variety of development tools

Leverage Your Existing Skills

The tight integration of Sun Chili!Soft ASP software makes your organization's Windows® development skills relevant to the server appliance platform. With nearly 1 million ASP developers today, ASP-savvy developers are easy to find. ASP is faster and more effective for simple Web applications than Perl or CGI, yet it is powerful enough for the most sophisticated applications. Finally, ASP's modular architecture makes all of your developer resources productive. Create business components in C++ and Java technology while you put it all together with VBScript or JavaScript. Best of all, the inclusion of Sun Chili!Soft ASP technology lets you standardize on a single Web application solution.

SERVICE PROVIDER BENEFITS:

Industry-Leading Ease of Use

Unique to the Sun RaQ server appliance is the integration of application and system functions into a unified easy-to-use user interface (UI); if users don't want to deal with Linux, they don't have to. This valuable software layer enables installation in 15 minutes, so you can respond quickly to new customers – even while they are still on the phone. The browser-based UI shields the administrator from technical complexities and minimizes the need for trained staff. It also enables customer-managed systems, which reduces administration support costs.

High Reliability and Low Administration

Underpinning the Sun RaQ server appliance's economic success is the tight integration of open-source software and focused hardware design, providing the high reliability and reduced support costs that result in fast profitability for hosting services. For added reliability requirements, such as e-commerce and other business critical application deployments, the server appliance comes standard with software RAID 1* for increased data/site availability. It includes built-in software tools and monitoring agents that minimize the need for ongoing system management and support efforts, all of which greatly reduce the appliance's lifetime cost of ownership.



<p>ISP and end-user services</p>	<ul style="list-style-type: none"> • Web serving - The Sun Cobalt RaQ 4 server appliance offers integrated support for HTTP/1.1, Common Gateway Interface (CGI) and Perl scripting. • Virtual domain support - The Sun Cobalt RaQ 4 server appliance offers name-based virtual domains (single IP address for multiple domains) or IP-based virtual domains (one IP address for each domain). • Bandwidth Management - On a per-IP-address basis, traffic can be limited to a pre-selected throughput rate. • RAID 1 (Disk Mirroring on 4r version only) - The Sun Cobalt RaQ 4r server appliance includes software RAID 1, which ensures the availability of content in the event of disk failure through data redundancy over two disks. • SQL Database support - The server appliance integrates the InterBase open-source database, a powerful, high-performance SQL database designed for business-critical, network and Web-based applications on the Sun RaQ server appliance. • Email services - Services include mail accounts for each domain, automatic vacation responses, automatic forwarding and group mailing lists. These services can be managed by the client, minimizing the burden on the email administrator. • Active Server Pages (ASP) and PHP support - Enables application and web developers to build and maintain dynamic web applications with live database connectivity. • Development Environment - The Sun RaQ includes a full suite of standard development tools, including C & C++ compilers, gdb debugger, libraries, X11 libraries & PostgreSQL DBMS. ISPs or their clients can use these tools to build custom, value-added services. 	
<p>Hardware</p>	<p>450 MHz Intel compatible processor Up to 512MB PC-100 SDRAM DIMMs (2 slots) Up to Dual Internal Ultra ATA hard drives supported Up to Dual 10/100 Base-T Ethernet network interfaces Serial Console Interfaces</p>	<p>External Ultrawide SCSI interface (option) LCD panel for easy setup and administration PCI Slot for Expansion (on 4i & 4r models) UPS Support USB</p>
<p>Software</p>	<p>Software features: Linux 2.2 multitasking operating system Apache web server, HTTP/1.1-compliant Virtual Hosting Services: name-based and IP-based CGI, Perl, PHP scripting support InterBase 6 SQL Database ChiliSoft ASP SMTP, IMAP4, POP3, APOP email protocol support FTP, anonymous FTP access Telnet access DNS Server 128-bit SSL Front Page 2000 Server Extensions Bandwidth Management Java Runtime Environment Legato Networker client, Arkeia Backup Support</p>	<p>System management: 128-bit SSL Support for secure administration SNMP management support Browser-based setup wizard Browser-based server management and per-site management interfaces Online ActiveAssist™ real-time help ActiveMonitor maintenance agents Advanced management using telnet Web-based performance and usage reporting Browser-based backup and restore utility Browser-based software upgrade Serial port network information assignment</p> <p>Partner Solutions: E-Commerce Database Backup Analysis and Usage Statistics</p>
<p>Physical</p>	<p>Dimensions: 17 x 12.5 x 1.75 inches (43.2 x 31.8 x 4.5 cm) (fits a standard 19"-equipment rack; 1 rack-unit height) RaQ 4r weight: 11 lbs 3 oz (5.0 kg) RaQ 4 & 4i weight: 9 lbs 3 oz (4.2 kg) Power requirements: Input rating 100-240V, 50/60Hz Maximum operating power consumption: 60 watts</p>	<p>Operating environment: 32° to 95° F (0° to 35° C) 10% to 90% humidity (non-condensing) Non-operating environment: 14° to 122° F (-10° to 50° C) 5% to 93% humidity (non-condensing) LEDs: Power, Transmit/Receive, Link, Collision, 100 Mbit, Disk Activity, Web Activity</p>
<p>Regulatory Approvals</p>	<p>FCC Class B, VCCI-B, UL, C-UL, TUV, CE, Austel, BSMI/BCIO, RRL</p>	
<p>Ordering information</p>	<p>http://www.cpu.net/products/sun/howtobuy.asp</p>	

About Sun Cobalt Server Appliances

Sun Cobalt server appliances and ASP software solution enable organizations to establish an online presence easily, cost effectively and reliably. The Sun Cobalt product lines— the Sun Cobalt Qube, Sun Cobalt Cache, Sun Cobalt RaQ, Sun Cobalt NASRaQ and ChiliSoft ASP— are used by businesses, service providers and educational institutions for Internet and Web-hosting services. The Sun Cobalt solutions are delivered through a global network of distributors, value-added resellers and Internet service providers. For more info about Sun Cobalt server appliances, please visit www.cobalt.com.

About Sun Microsystems, Inc.

Since its inception in 1982, a singular vision - The Network Is The Computer™— has propelled Sun Microsystems, Inc. (Nasdaq: SUNW), to its position as a leading provider of industrial-strength hardware, software and services that power the Internet and allow companies worldwide to dot-com their businesses. With \$17.6 billion in annual revenues, Sun can be found in more than 170 countries and on the World Wide Web at www.sun.com.

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